

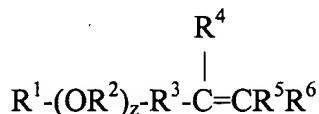
Listing of Claims:

1. (Previously presented) An aqueous coating composition comprising:

- (a) a binder polymer polymerized from one or more copolymerizable monoethylenically unsaturated monomers, wherein at least one of said monoethylenically unsaturated monomers is a carbonyl-containing monomer selected from the group consisting of acrolein, methacrolein, diacetone acrylamide, diacetone methacrylamide and vinylaceto acetate; and
- (b) a second polymer polymerized from monomers comprising a monoethylenically unsaturated monomer containing latent crosslinking functionality and a macromonomer comprising a hydrophobic portion and an alkoxylated portion, wherein the amount of the monoethylenically unsaturated monomer containing latent crosslinking functionality is in a range that extends from greater than 5 weight percent to 50 weight percent, based on the total weight of the second polymer.

2. (Original) The coating composition of claim 1 wherein said monoethylenically unsaturated monomer having latent crosslinking functionality comprises a carbonyl-containing monomer selected from the group consisting of acrolein, methacrolein, diacetone acrylamide, diacetone methacrylamide and vinylaceto acetate.

3. (Previously presented) The coating composition of claim 1 wherein the monoethylenically unsaturated monomers forming the binder polymer further comprise a macromonomer represented by the formula:



wherein:

$R^1$  is a monovalent residue of a substituted or unsubstituted hydrophobe compound; each  $R^2$  is the same or different and is a substituted or unsubstituted divalent hydrocarbon residue;

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R<sup>3</sup> is a substituted or unsubstituted divalent hydrocarbon residue;  
R<sup>4</sup>, R<sup>5</sup>, R<sup>6</sup> are the same or different and are hydrogen or a substituted or unsubstituted  
monovalent hydrocarbon residue;  
and z is a value of 0 to 150.

4. (Original) The coating composition of claim 1 wherein said second polymer is a dispersant polymer.

5. (Original) The coating composition of claim 1 wherein said second polymer is a thickener polymer.

6. (Previously presented) The coating composition of claim 1 wherein the monoethylenically unsaturated monomers forming the binder polymer comprise:

- (a) 40-60% by weight of a fatty acid vinyl ester;
- (b) 30-50% by weight of methylmethacrylate;
- (c) 0.5-10% by weight of diacetone acrylamide; and
- (d) 0.5%-5% by weight of methacrylic acid, based on the total weight of the binder polymer.

7. (Original) The coating composition of claim 1 wherein the monomer having latent crosslinking functionality comprises diacetone acrylamide.

8. (Thrice amended) An aqueous coating composition comprising:

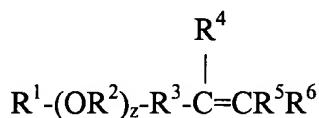
- (a) a binder polymer polymerized from one or more copolymerizable monoethylenically unsaturated monomers, wherein at least one of said monoethylenically unsaturated monomers is a carbonyl-containing monomer selected from the group consisting of acrolein, methacrolein, diacetone acrylamide, diacetone methacrylamide and vinylaceto acetate; and
- (b) ~~a at least one~~ polymer comprising the reaction product of:
  - (i) an unsaturated carboxylic acid monomer,

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- (ii) a monoethylenically unsaturated monomer different from the carboxylic acid monomer,
- (iii) a macromonomer comprising a hydrophobic portion and an alkoxyolated portion, and
- (iv) a monoethylenically unsaturated monomer containing latent crosslinking functionality, wherein the amount of the monoethylenically unsaturated monomer containing latent crosslinking functionality is in a range that extends from greater than 5 weight percent to 50 weight percent, based on the total weight of the at least one polymer.

9. (Original) The coating composition of claim 8 wherein said monoethylenically unsaturated monomer having latent crosslinking functionality comprises a carbonyl-containing monomer selected from the group consisting of acrolein, methacrolein, diacetone acrylamide, diacetone methacrylamide and vinylacetone acetate.

10. (Original) The coating composition of claim 8 wherein said macromonomer is represented by the formula:



wherein:

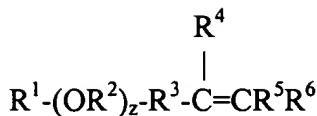
$R^1$  is a monovalent residue of a substituted or unsubstituted hydrophobe compound; each  $R^2$  is the same or different and is a substituted or unsubstituted divalent hydrocarbon residue;

$R^3$  is a substituted or unsubstituted divalent hydrocarbon residue;

$R^4$ ,  $R^5$ ,  $R^6$  are the same or different and are hydrogen or a substituted or unsubstituted monovalent hydrocarbon residue;

and  $z$  is a value of 0 to 150.

11. (Previously presented) The coating composition of claim 8 wherein the monoethylenically unsaturated monomers forming the binder polymer further comprise a macromonomer represented by the formula:



D) wherein:

$\text{R}^1$  is a monovalent residue of a substituted or unsubstituted hydrophobe compound; each  $\text{R}^2$  is the same or different and is a substituted or unsubstituted divalent hydrocarbon residue;

$\text{R}^3$  is a substituted or unsubstituted divalent hydrocarbon residue;

$\text{R}^4$ ,  $\text{R}^5$ ,  $\text{R}^6$  are the same or different and are hydrogen or a substituted or unsubstituted monovalent hydrocarbon residue;

and  $z$  is a value of 0 to 150.

12. (Previously presented) The coating composition of claim 8 wherein the monoethylenically unsaturated monomers forming the binder polymer comprise:

- (a) 40-60% by weight of a fatty acid vinyl ester;
- (b) 30-50% by weight of methylmethacrylate;
- (c) 0.5-10% by weight of diacetone acrylamide; and
- (d) 0.5%-5% by weight of methacrylic acid, based on the total weight of the binder polymer.

13. (Original) The coating composition of claim 8 wherein the monomer having latent crosslinking functionality comprises diacetone acrylamide.

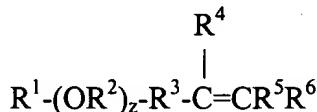
14. (Original) The coating composition of claim 8 further comprising a second polymer comprising the reaction product of:

- (i) an unsaturated carboxylic acid monomer,
- (ii) a monoethylenically unsaturated monomer different from the carboxylic acid monomer,
- (iii) a macromonomer comprising a hydrophobic portion and an alkoxyolated portion, and

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(iv) a monoethylenically unsaturated monomer containing latent crosslinking functionality.

15. (Previously presented) The coating composition of claim 1, wherein the macromonomer is represented by the formula:



wherein:

$R^1$  is a monovalent residue of a substituted or unsubstituted hydrophobe compound; each  $R^2$  is the same or different and is a substituted or unsubstituted divalent hydrocarbon residue;

$R^3$  is a substituted or unsubstituted divalent hydrocarbon residue;

$R^4$ ,  $R^5$ ,  $R^6$  are the same or different and are hydrogen or a substituted or unsubstituted monovalent hydrocarbon residue;

and  $z$  is a value of 0 to 150.

16. (Previously presented) The coating composition of claim 1, wherein the carbonyl-containing monomer is diacetone acrylamide.

17. (Previously presented) The coating composition of claim 8, wherein the carbonyl-containing monomer is diacetone acrylamide.

18-26. (Canceled)

27. (Previously presented) The aqueous coating composition of claim 1, wherein the monoethylenically unsaturated monomer containing latent crosslinking that is used to form the second polymer is a carbonyl-containing monomer selected from the group consisting of acrolein, methacrolein, diacetone acrylamide, diacetone methacrylamide and vinylacetate acetate.

28. (Previously presented) The aqueous coating composition of claim 8, wherein the amount of the monoethylenically unsaturated monomer containing latent crosslinking functionality that is used to form the at least one polymer is in a range that extends from greater than 5 weight percent to 35 weight percent, based on the total weight of the at least one polymer.

29. (Previously presented) The aqueous coating composition of claim 28, wherein the at least one polymer comprises a dispersant polymer and a thickener polymer.

30. (Previously presented) The aqueous coating composition of claim 29, wherein the monoethylenically unsaturated monomer containing latent crosslinking that is used to form the dispersant polymer and the thickener polymer is a carbonyl-containing monomer selected from the group consisting of acrolein, methacrolein, diacetone acrylamide, diacetone methacrylamide and vinylaceto acetate.